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(54) Title: POLYMER BLENDS

(57) Abstract: Novel polymer blends comprise (a) 1 -99% by weight of a copolymer of ethylene and an alpha olefin having from 3 to 10 carbon atoms, said copolymer having (iv) a density in the range 0.905 to 0.940 g.cm^{-3}, (v) a melt elastic modulus G' (G''= 500 Pa) in the range 10 to 150 Pa, and (vi) a melt index in the range 5 to 50, and (b) from 1 - 99% by weight of a low density polyethylene (LDPE) polymer having a density from 0.914 to 0.928 g cm^{-3} wherein the sum of (a) and (b) is 100 %. The copolymers of component (a) are typically prepared by use of metallocene catalysts. The blends exhibit advantageous melt elastic modulus in the range 30 to 200 Pa. The blends are particularly suitable for extrusion coating applications.

WO 2005/019333 A1